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IS 13117 (1991): Microscopes' connecting dimensions of tube slides and tube slots [PGD 22: Educational Instruments and Equipment]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS 13117 : 1991
ISO 8040 : 1986

Indian Standard

**OPTICS AND OPTICAL INSTRUMENTS —
MICROSCOPES — CONNECTING DIMENSIONS
OF TUBE SLIDES AND TUBE SLOTS**

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BUREAU OF INDIAN STANDARDS
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Indian Standard

OPTICS AND OPTICAL INSTRUMENTS — MICROSCOPES — CONNECTING DIMENSIONS OF TUBE SLIDES AND TUBE SLOTS

NATIONAL FOREWORD

This Indian Standard, which is identical with ISO 8040 : 1986 'Optics and optical instruments — Microscopes — Connecting dimensions of tube slides and tube slots', issued by the International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendation of the Optical and Mathematical Instruments Sectional Committee (LMD 20) and approval of the Light Mechanical Engineering Division Council.

The text of the ISO Standard has been approved as suitable for publication as an Indian Standard without deviation. Some terminology and certain conventions are, however, not identical with those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear, they should be read as Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

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0 Introduction

It is a common practice to use many auxiliary devices, for example radiation filters, polarizers, compensators, auxiliary preparations, in order to produce different effects.

The dimensions of tube slides and tube slots are laid down in this International Standard so that auxiliary devices can become interchangeable, thus opening up the possibility of using auxiliary devices designed for microscopes from other manufacturers.

1 Scope and field of application

This International Standard lays down the dimensions needed for the interchange of auxiliary optics and compensators on products made by all manufacturers.

2 Dimensions

The dimensions shall be as shown in figures 1 and 2.

2.1 Tube slides

Contact springs shall be attached on the side as shown in figure 1 if the slide is equipped with optical elements requiring accurate positioning.

The springs shall be capable of being compressed within the confines of the slide.

2.2 Tube slots

Contact springs shall be attached at the top. The springs shall be capable of being compressed beyond the confines of the slot.

The orientation of the tube slots will be dealt with in a future International Standard.

Dimensions in millimetres

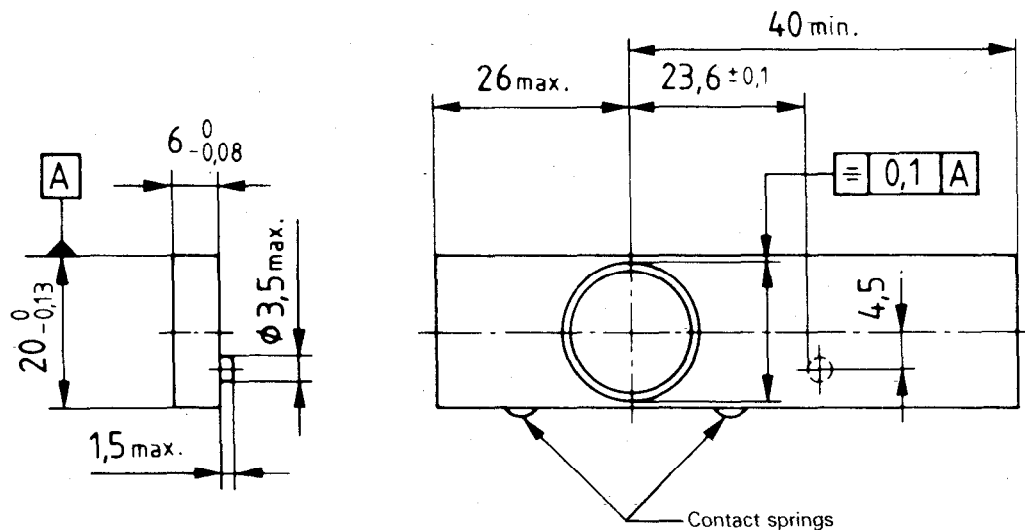


Figure 1

Dimensions in millimetres

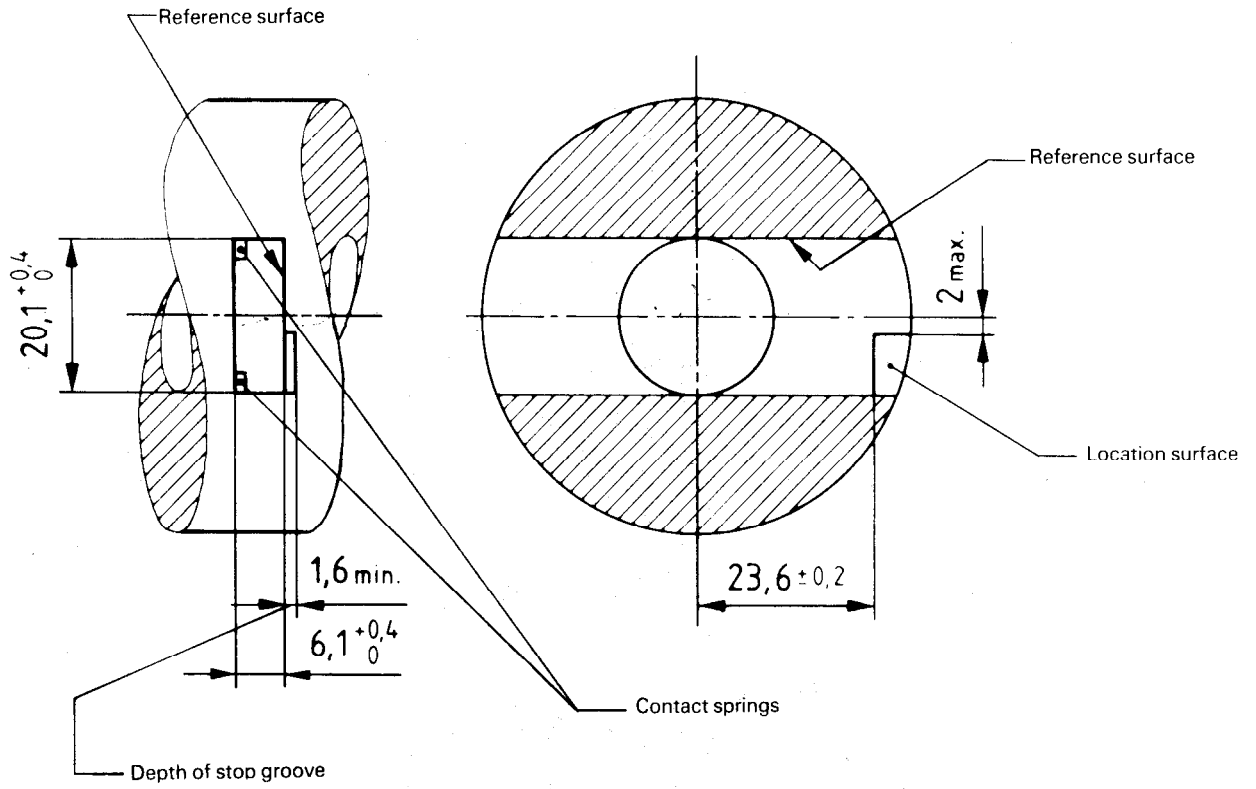


Figure 2

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BUREAU OF INDIAN STANDARDS

Headquarters :

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephone : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all Offices)

Regional Offices :

	Telephone
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110001	{ 331 01 31 331 13 75
Eastern : I/14, C.I.T. Scheme VII M, V.I.P. Road, Maniktola, CALCUTTA 700054	37 86 62
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